



Reducing CO₂ Emissions

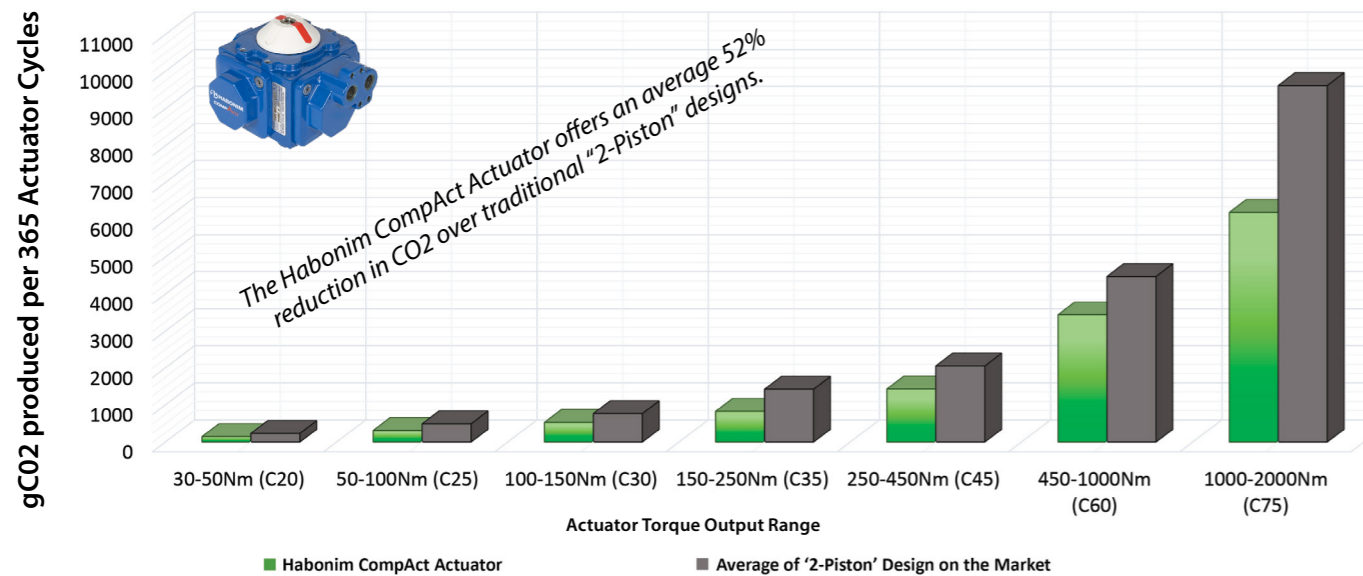


Reducing CO₂ Emissions Using Habonim CompAct Actuators

Introduction

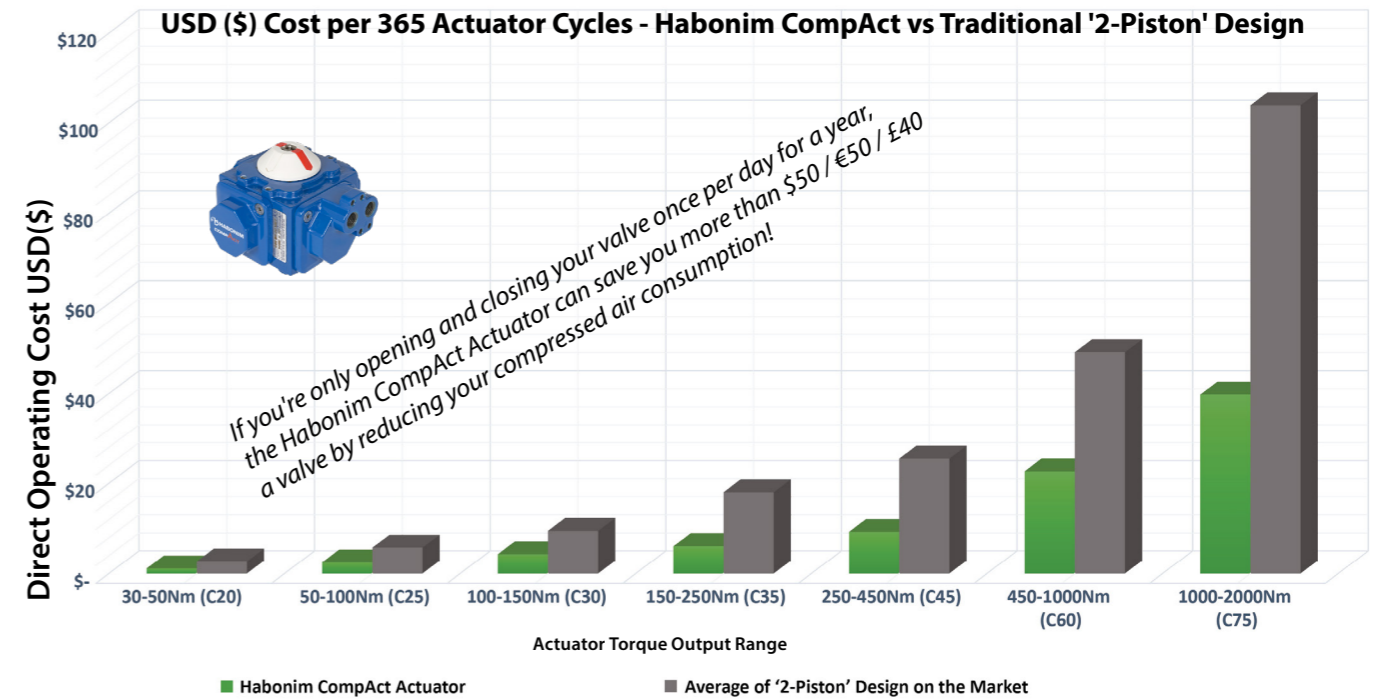
The industrial sector is responsible for approximately 30% of global CO₂ emissions. Through its low air consumption, Habonim's CompAct Actuators offer a sustainable solution by significantly reducing energy consumption and CO₂ emissions with their innovative four-piston design.

gCO₂ Produced per 365 Actuator Cycles by Torque Range



Maximize Savings, Minimize Emissions

Adopting Habonim's CompAct Actuators help industries achieve sustainability goals and reduce their carbon footprint. This Technology allows cutting energy by 52% on average, with an annual saving of \$50 and more per valve. These actuators are a leading choice for promoting environmental responsibility and operational efficiency.



Key Benefits

- **Lower Air Consumption:** The four-piston design requires less air to generate the same torque, reducing energy use.
- **Higher Efficiency:** Enhanced efficiency translates to lower operational costs and minimized environmental impact.
- **Smaller Footprint:** The compact design saves space, making integration into existing systems easier.
- **Energy Savings:** Factoring in the energy required to compress air, Habonim's actuators provide substantial CO₂ emission reductions.

This leaflet is based on the detailed white paper titled "Reducing CO₂ Emissions Using Habonim CompAct Actuators." [Reducing CO₂ Emissions - White Paper](#)



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About Habonim

Ball Valves & Actuators for the most demanding, challenging and hazardous applications are our passion and profession for the last 70 years.

We believe in designing, manufacturing and supplying control and shutoff components and solutions that improves the overall safety, integrity and sustainability of the systems they are installed in.

Designed, manufactured and tested according to the highest standards, our products allow us to partner within systems that flow and control varied gases and liquids in diverse markets especially where extreme temperatures and pressures are involved, hazardous materials are used and system performances are critical.

We are leading in cryogenic ball valve-based control solutions, emergency shutoff and specially designed solutions.

Believing that supplying and developing the most effective, safe and reliable products for the global leaders in the LNG and Gas distribution market continually challenges us to improve our capabilities and products.

Best coping with our prestigious customers' most challenging requirements technically, operationally and commercially is our promise fulfilled for decades.

Performing in Demanding Applications



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